

Work Order ID 162159***162159***

Page 1

Monday, May 29, 2017 10:59:51 AM

Item ID: 647.3902 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Lower Deflector Assembly, High
Start Date: 5/29/2017 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 6/1/2017 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: u Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
647.3900	C2

110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

120		0.00							
120									
Small Fab	Memo	0.64							
Small Fab	Assemble as per dwg and apply loctite 598 on all faying surfaces per note .								
	A/R RTV LOCTITE 598: <u>137353</u>								
	exp. date: <u>02/19</u>								

130	QC5- Inspect part completeness to step on W/O	0.00							
130									
QC	Memo	0.04							
Quality Control									

MAY 31 2017

Work Order ID 162159***162159***

Page 2

Item ID: 647.3902

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Lower Deflector Assembly, High

Start Date: 5/29/2017 Start Qty: 2.00

2

Cust Item ID:

Required Date: 6/1/2017 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Identify as per dwg & Stock Location CCK077	0.00							
140									
Packaging	Memo	0.02							
Packaging	***IDENTIFY AS PER IAW MPP-120***								
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.20							
Quality Control									

2 **DAS**
6
J-89**MAY 31 2017****17/6/2** **JD****MAY 31 2017**

Picklist Print

Monday, May 29, 2017 10:59:50 AM

Page 1

Work Order ID: 162159

162159

Parent Item: 647.3902

647.3902

Parent Item Name: Lower Deflector Assembly, High

Start Date: 5/29/2017

Required Date: 6/1/2017

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 13.09.03 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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647.3912		Manufactured	No			110	Each	9.0000	1	2			
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647.3912

Breakaway Tip Wirestrike for Wire Strike Kit

**

Location

Loc Qty

Loc Code

CCK077

9

158496

6

158883

3

647.3914		Manufactured	No			110	Each	8.0000	1	2			
----------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

647.3914

Breakaway Tip, Long

**

Location

Loc Qty

Loc Code

CCK002

8

155355

2

158495

6

MS20470AD6-12		Purchased	No			110	Each	365.0000	3	6			
---------------	--	-----------	----	--	--	-----	------	----------	---	---	--	--	--

MS20470AD6-12

Rivet

**

Location

Loc Qty

Loc Code

ST308

365

m127304

4

m136643

361

See w/o 157360
HJ

Spur
Work Order ID 157360-2

Tuesday, February 21, 2017 1:00:50 PM

157360

Page 1

Item ID: 647.3902 Accept *N9000040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Lower Deflector Assembly, High 2
 Start Date: 3/3/2017 Start Qty: 3.00 *3* Cust Item ID:
 Required Date: 3/8/2017 Req'd Qty: 3.00 *3* Customer:
 Reference: 24-3-2017
 7-4-2017 mtf

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
647.3900	C2								

110 Pick Kit 0.00

110

Packaging

Memo

Packaging

0.00

3

DAS
6
9-89

MAR 14 2017

120 0.00

120

Small Fab

Memo

Small Fab

0.16

Assemble as per dwg and apply loctite 598 on all faying surfaces per note.

A/R RTV LOCTITE 598: 137353

exp. date: 02/19

see

162659 was costed

2X

17/05/30

DAS
36
9-89

130 QC5- Inspect part completeness to step on W/O 0.00

130

QC

Memo

Quality Control

0.01

Work Order ID 157360

Tuesday, February 21, 2017 1:00:50 PM

157360

Page 2

Item ID: 647.3902

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Lower Deflector Assembly, High

Start Date: 3/3/2017 Start Qty: 3.00

3

Cust Item ID:

Required Date: 3/8/2017 Req'd Qty: 3.00

3

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Identify as per dwg & Stock Location: _____	0.00							
140									
Packaging	Memo	0.00							
Packaging	***IDENTIFY AS PER IAW MPP-120***								
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.05							
Quality Control									

See w/o 162159

Picklist Print

Tuesday, February 21, 2017 1:00:54 PM

Page 1

Work Order ID: 157360

157360

Parent Item: 647.3902

647 3902

Parent Item Name: Lower Deflector Assembly, High

Start Date: 3/3/2017

Required Date: 3/8/2017

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP REV:A 13.09.03 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

647.3912		Manufactured	No			110	Each	3.0000	1	3			
----------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

647 3912

Breakaway Tip Wirestrike for Wire Strike Kit

Location

Loc Qty

Loc Code

CCK077

3

127896

3

647.3914		Manufactured	No			110	Each	4.0000	1	3			
----------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

647 3914

Breakaway Tip, Long

Location

Loc Qty

Loc Code

CCK002

4

147490

4

MS20470AD6-12		Purchased	No			110	Each	395.0000	3	9			
---------------	--	-----------	----	--	--	-----	------	----------	---	---	--	--	--

MS20470AD6-12

Rivet

Location

Loc Qty

Loc Code

CCK003

381

m136643

381

ST308

14

m127304

14

MAR 1 1 2017
DAS
6
9-88

DAS
36
9-89
158883 (2x)

MAR 1 1 2017
DAS
6
9-88

MAR 1 4 2017
DAS
6
9-89

 DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	ENGINEERING CHANGE NOTICE NO. 04948				SHEET 1 OF 2	
	DWG NO. 647.3900		REV: C	PREPARED BY: M. ANDECK	DATE: 05/04/15	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: DEFLECTORS					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED TOLERANCE AND NOTES				ECR: D-15-01

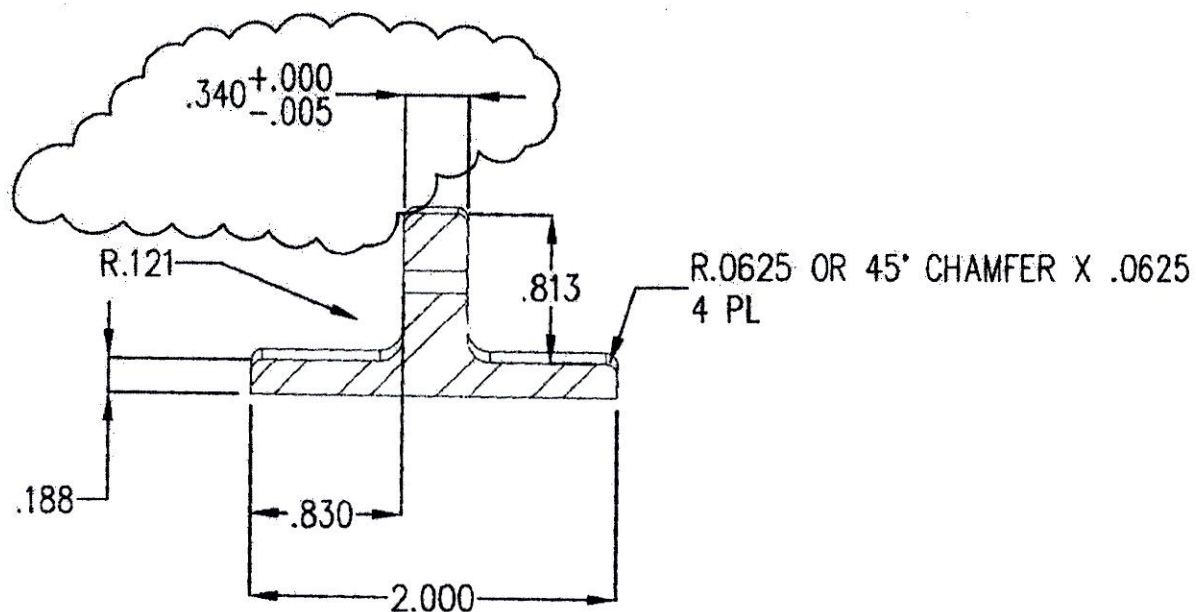
SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 157360 MJS
 1703-08

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120.
- 5 APPLY F/N 3 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6, 7 & 8 UPON ASSY.
- 6 MAXIMUM OR MINIMUM DIMENSION AFTER FINISH.
7. .0625 HOLE MAY BE ADDED FOR FINISHING PURPOSES
- 8 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX. APPLY FINISH AFTER ASSEMBLY.
- 9 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX.
- 10 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4.

SHEET 1, ZONE B1 IS:

11	R	647.3917	2			DOUBLER		
F/N	TC	PART NUMBER	.3903	.3902	.3901	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY					
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO	



SECTION AT-AT

SHEET 11, ZONE C1 IS:

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04556

SHEET 1 OF 2

DWG NO. 647.3900

REV: C

PREPARED BY

D. MEJIA

DATE: 06/10/2014

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

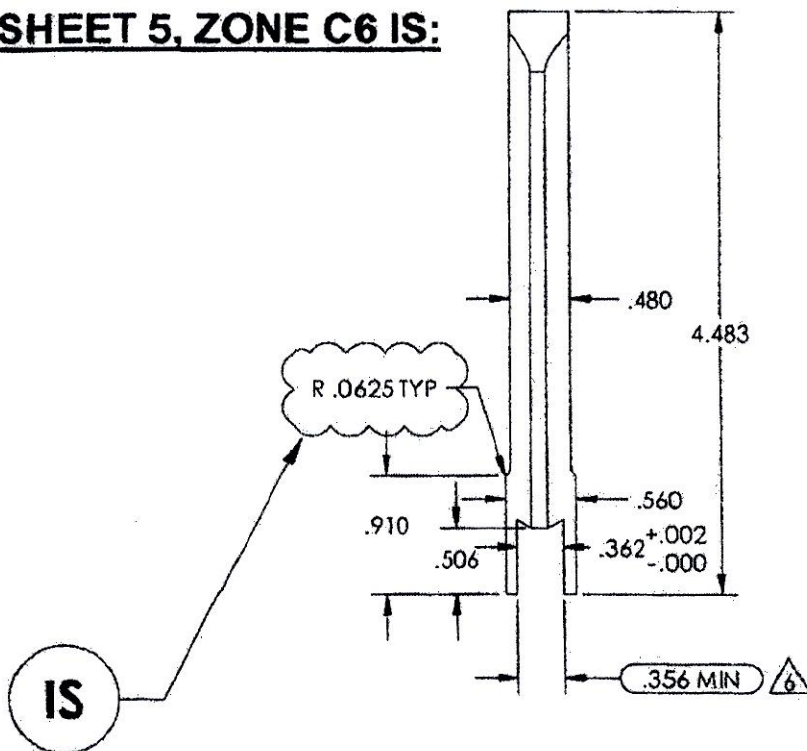
TRANSACTION CODES (TC):
A-ADD
C-CREATE
R-REVISE
D-DELETE

REASON: CHANGED P/N, DIMENSIONS & REVISED BOM

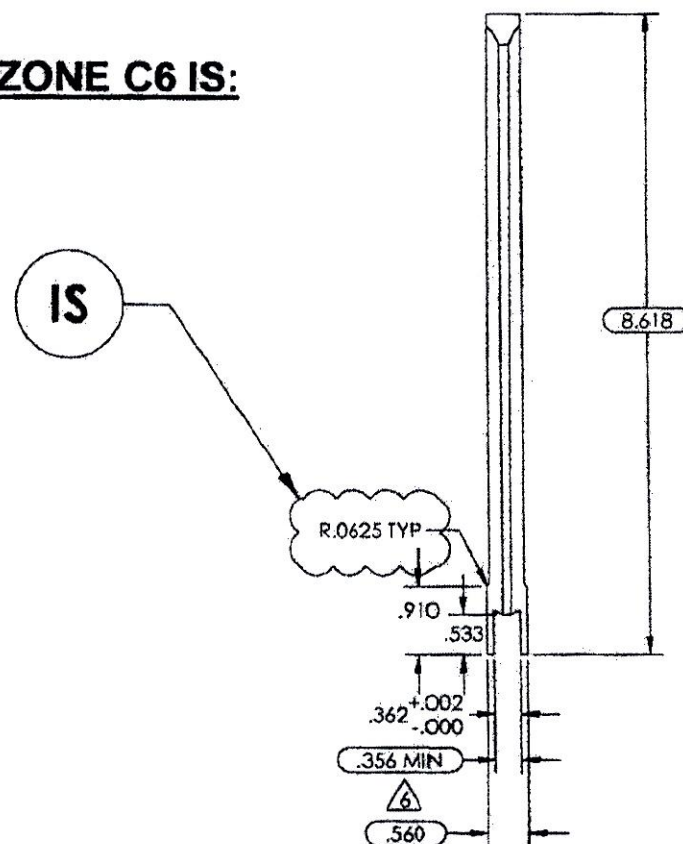
ECR:

D-14-04

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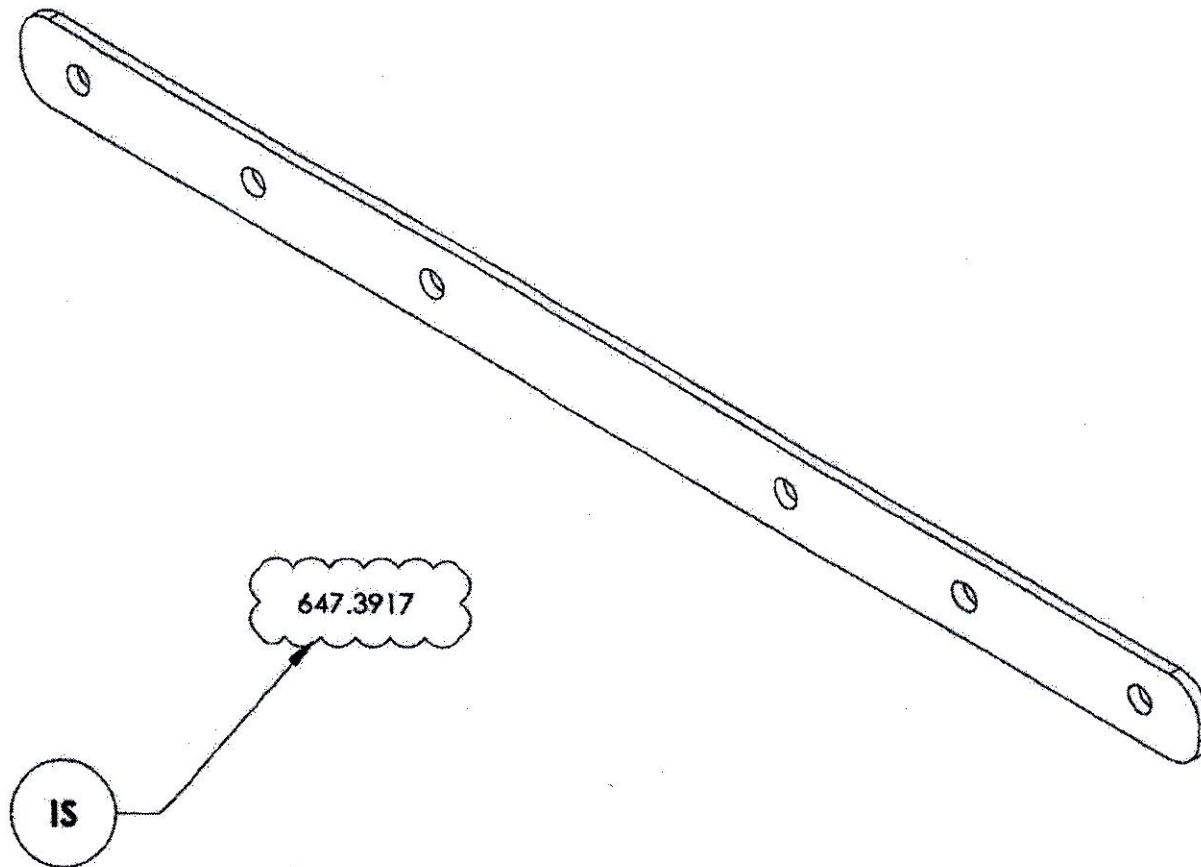


SHEET 6, ZONE C6 IS:



SHEET 1, BOM IS:

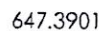
11	R	647.3917	2			DOUBLER		
F/N	TC	PART NUMBER	3903	3902	3901	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY					
DOCUMENTS EFFECTED:							CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM							☐ MAJOR ☒ MINOR	☐ YES ☒ NO

SHEET 12, ZONE B5 IS:

NOTES:

- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III,
CLASS 2, COLOR BLACK;

REV.	DESCRIPTION	DATE	APPROVE
	LAST PROTOTYPE RELEASE: FR1		N/C
N/C	INITIAL RELEASE	09/10/09	P. BRAVO
A	INCORPORATED ECU 02664, 03539 & 03595	07/24/12	P. BRAVO
B	INCORPORATED ECU 04025	08/02/13	P. BRAVO
C	INCORPORATED ECU 04038, 04081 & 04080	11/28/2013	P. BRAVO



04556, 04948

6				12	601.3072	RIVET		CR3213-6-9	
2				11	647.3917	DOUBLER			
1				10	647.3916	DEFLECTOR, UPPER HALF	△		△
1				9	647.3915	DEFLECTOR, LOWER HALF	△		△
	1			8	647.3914	BREAKAWAY TIP LONG	△		△
		1		7	647.3913	BREAKAWAY TIP MEDIUM	△		△
	1	1		6	647.3912	LOWER DEFLECTOR	△		△
				5	647.3911	212 UPPER DEFLECTOR	△		△
				4	647.3910	412 UPPER DEFLECTOR			△
A/R	A/R	A/R		3	601.2045	RTV, LOCTITE 598			△
	3	2		2	601.3074	RIVET		MS024070AD 6-12	
				1		DELETED			
X					647.3903	DEFLECTOR ASSY			△
	X				647.3902	LOWER DEFLECTOR ASSY HIGH			
		X			647.3901	LOWER DEFLECTOR ASSY LOW			
.3903	.3902	.3901		FIN#	PART #	DESCRIPTION	MAT'L		SPEC
QTY				PARTS LIST					
NEXT ASSY (S)				APICAL INDUSTRIES					
647.3900				2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300					
				DEFLECTORS					
				ORIGINAL DATE 02-10-09 DRAWN BY D. SCHUP CHECKED D. BAKER DESIGNED APPROVAL P. BEAG REVISION CONTRACT NO. ALL SIZE OTHERS SPECIFIED QUANTITIES ARE IN PARCHES 2 PLACES DECIMALS ± 0.1 1 PLACE DECIMALS ± 0.05 ANGLES ± 5°					
				REV. C SCALE NONE SHEET 1 OF 1 647.3900					

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.125 X 45.0° TYP

SECTION B-B

Ø.177 THRU 3PL

.266 X 17.9°

.045

.603

.923

R.915

2.110±.002

4.220±.002

DETAIL A

R.279

R3.406

15.896

15.304

15.046

B

B

6.446

Ø.189

40.2°

.312

0

18.502
18.127

35.8°

10.702
8.599

6.253

1.700
.777

0

.700
.340+.000
-.002
.346 MAX

DETAIL C

.035 X 45.0° TYP

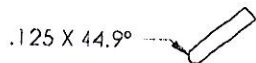
.375

15.896

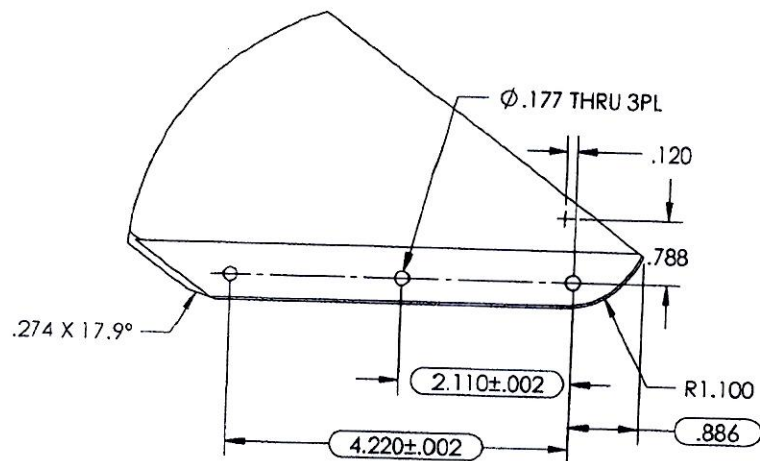
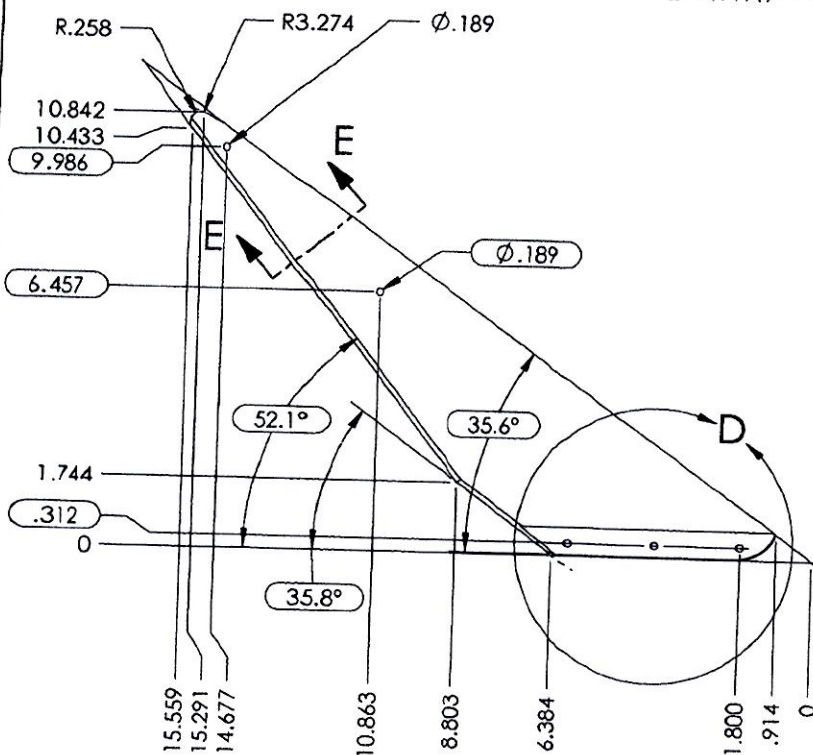
647.3911

ORIGINAL DATE 10/01/01		APICAL INDUSTRIES	
DRAWN BY D.SCHUR		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAD		DEFLECTORS	
COMPACT NO.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 2 OF 12	

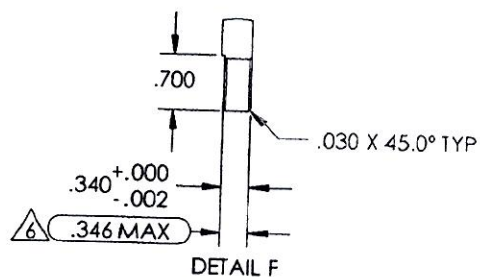
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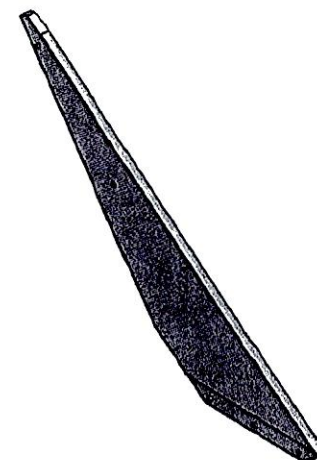
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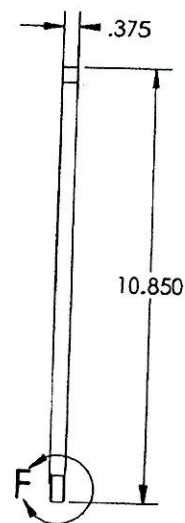
DETAIL D



DETAIL F



647.3910



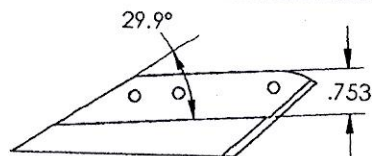
ORIGINAL DATE 10-01-75		10-10-75	
DRAWN BY D. SCHUP		CHECKED D. BARKER	
DRAWING APPROVAL P. BRAVO			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°			
SHEET 8	CAGE CODE 07M26	DWG. NO. 647.3900	REV C
SCALE: NONE		SHEET 3 OF 12	

APICAL INDUSTRIES

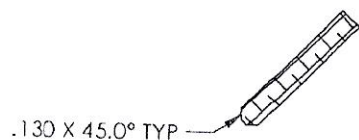
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

DEFLECTORS

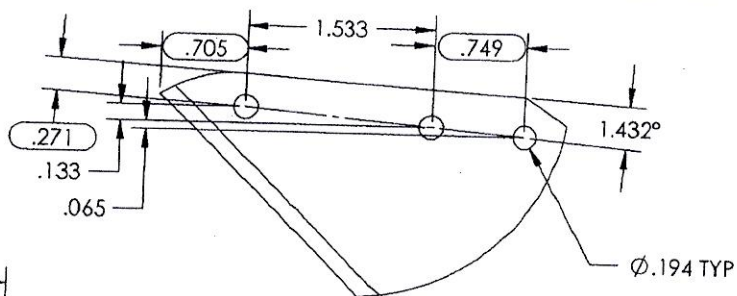
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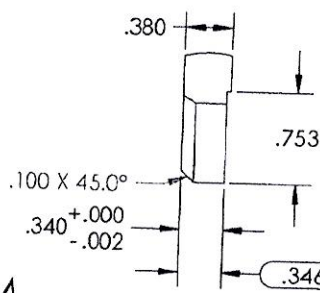
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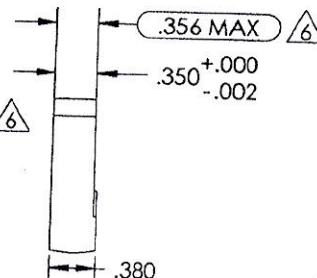
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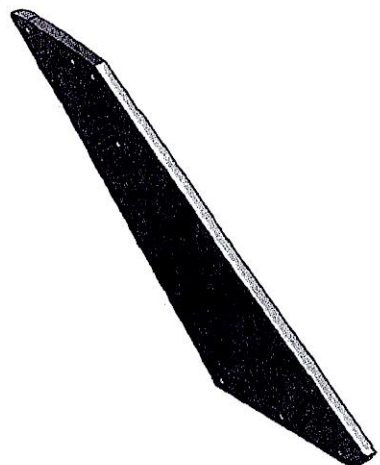
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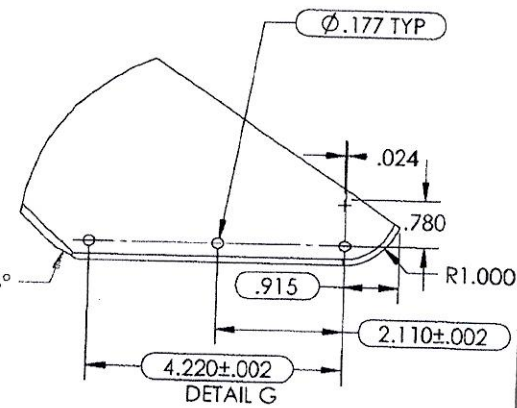
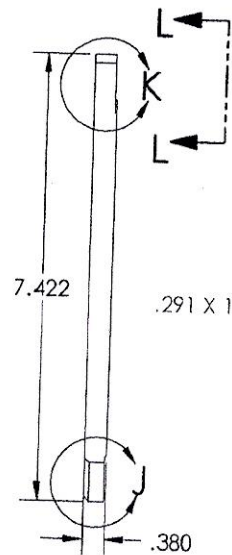
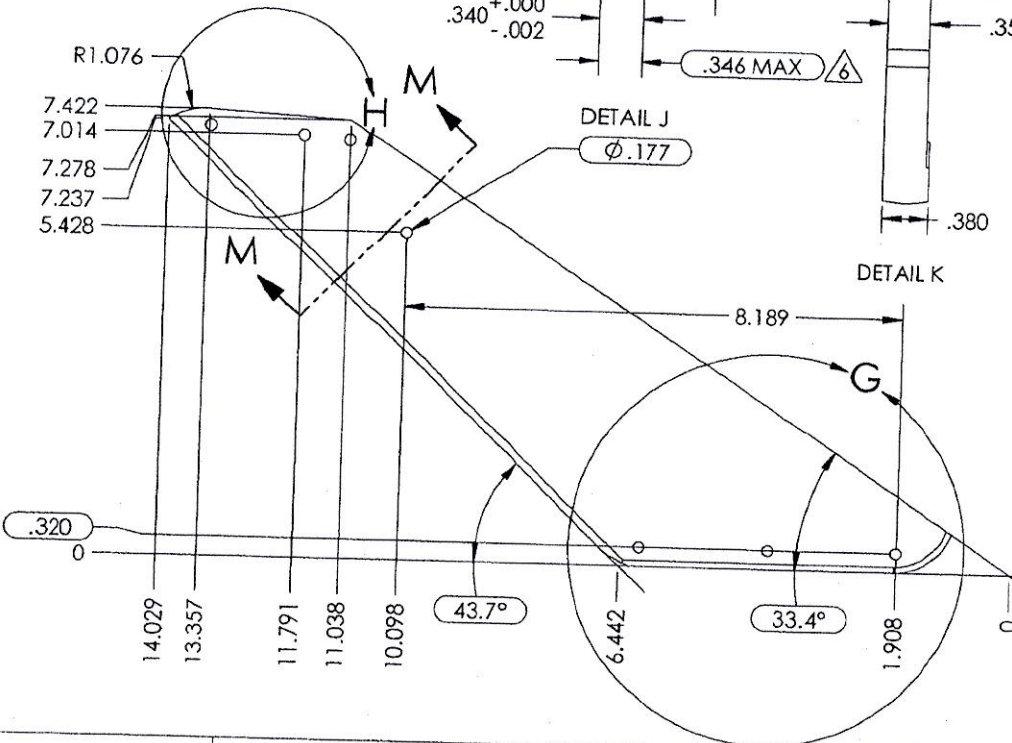
DETAIL J



DETAIL K



647.3912

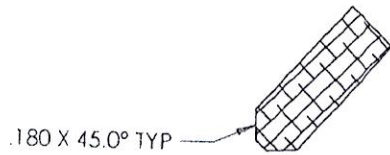


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DRAWING APPROVAL P. BRAVO		CONTRACT NO.		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACES DECIMALS ± .01 3 PLACES DECIMALS ± .005 ANGLES ± .5°					
SEE	CAGE CODE	DWG NO	REV. C		
B	07M26	647.3900			
SCALE		NONE		SHEET 4 OF 12	

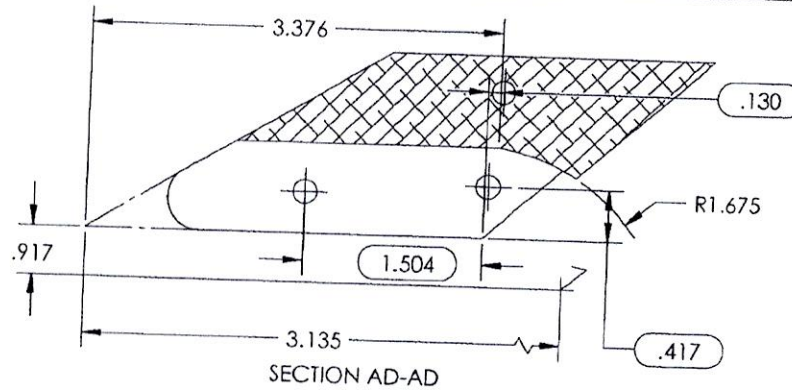
APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

DEFLECTORS

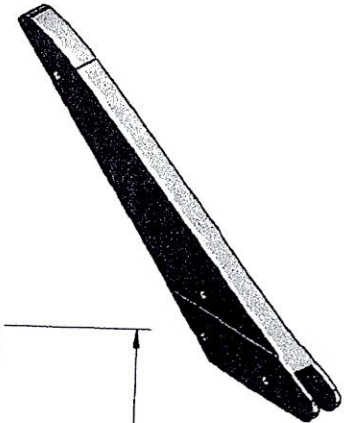
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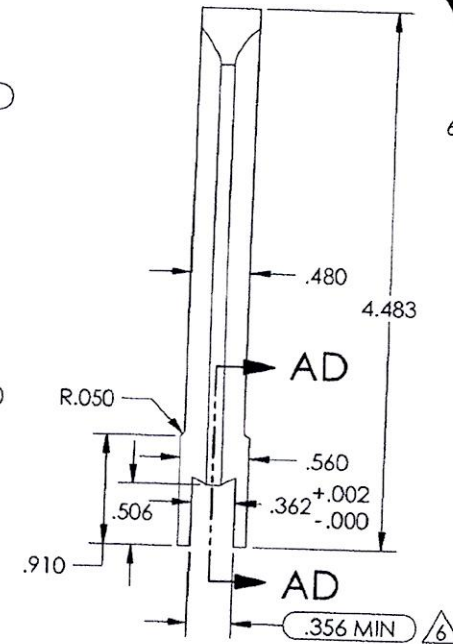
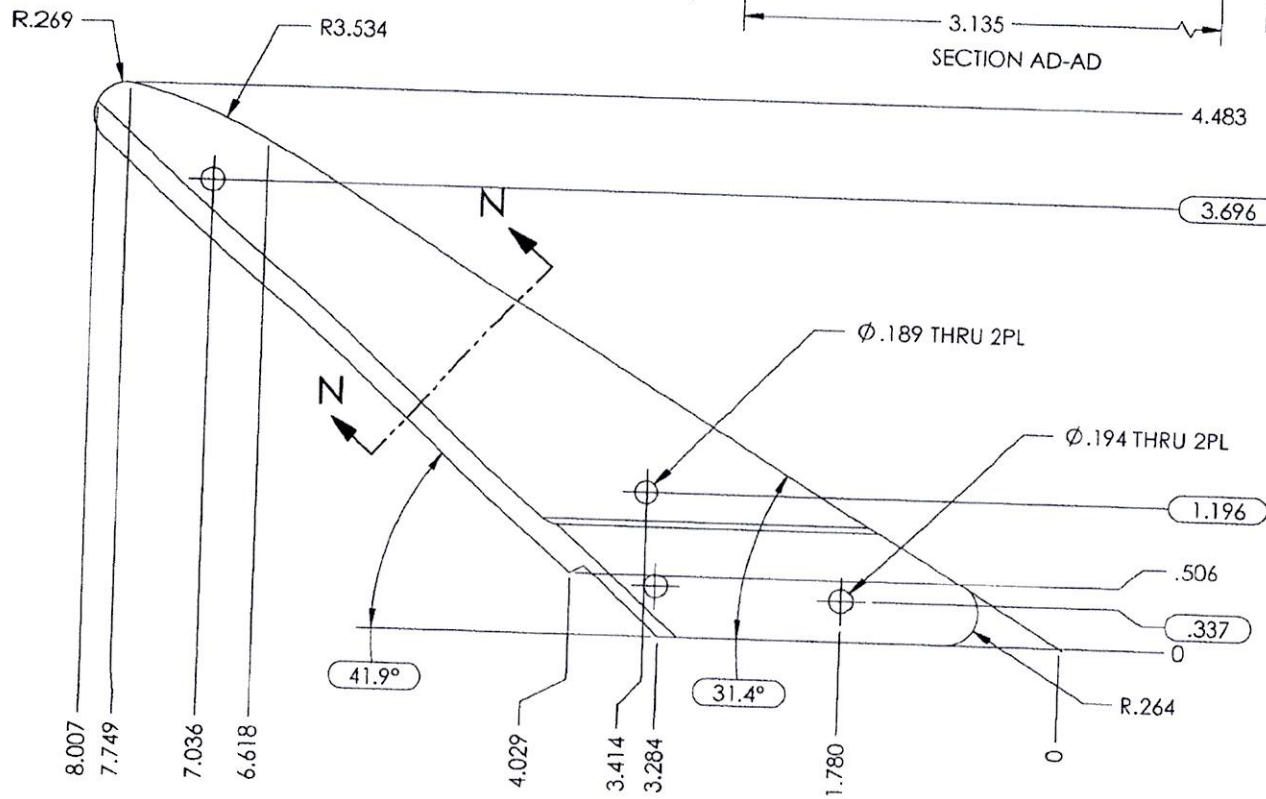
SECTION N-N



SECTION AD-AD

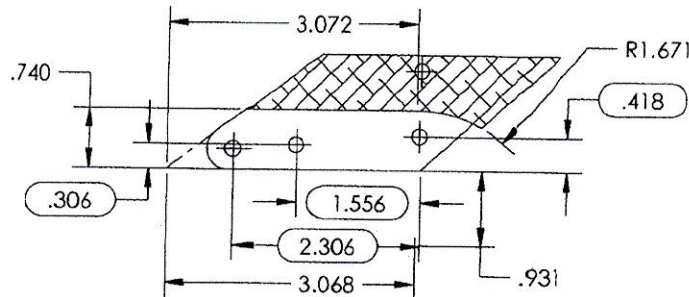
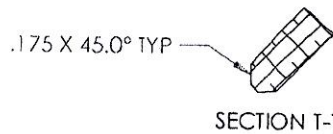


647.3913

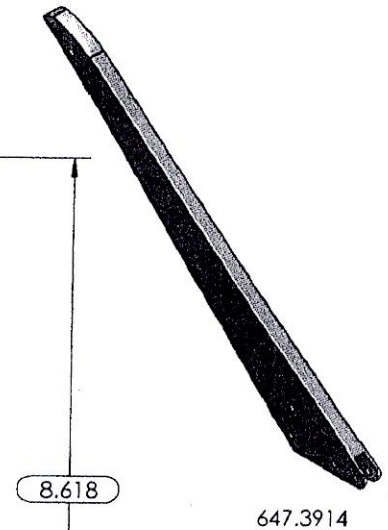
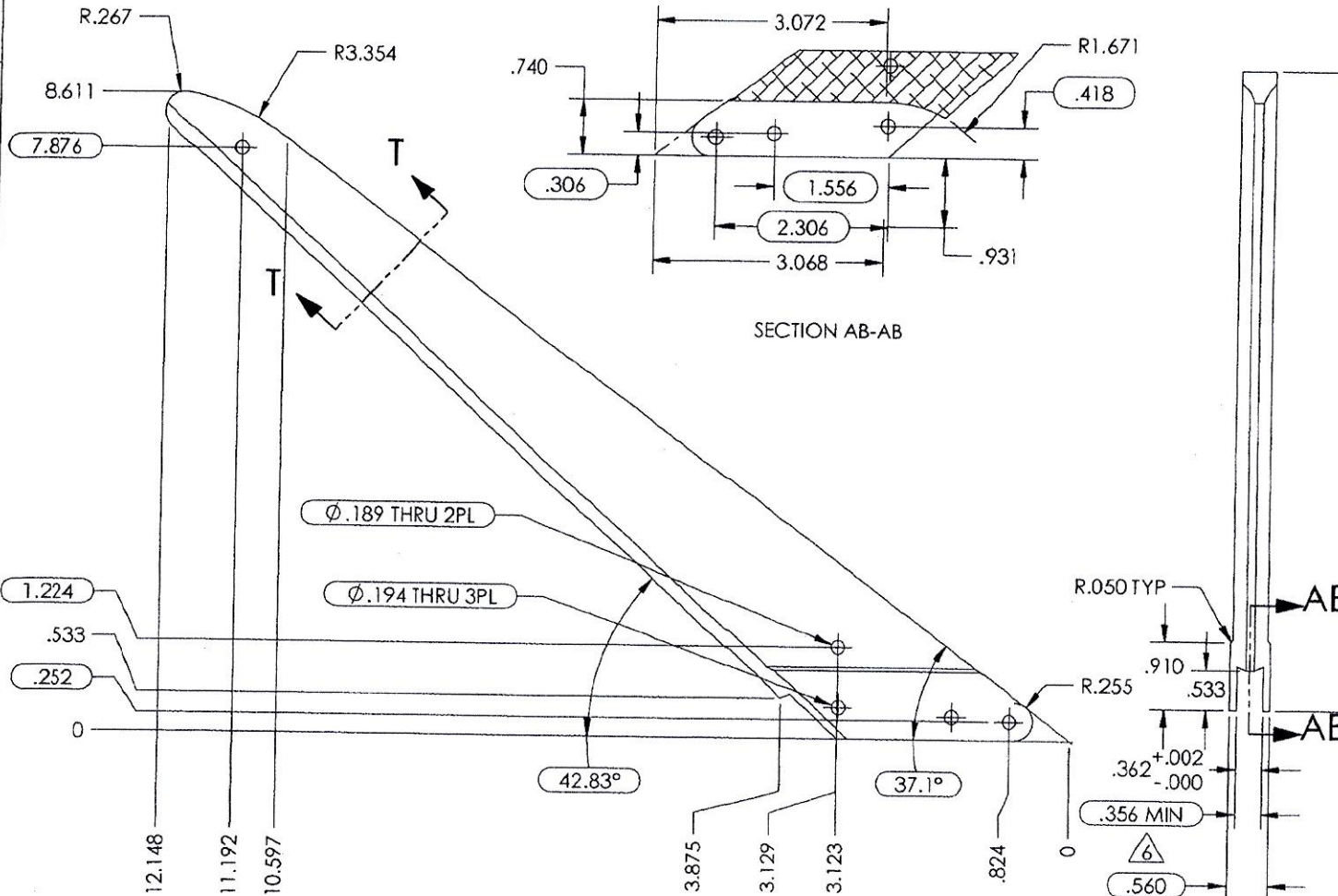


ORIGINAL DATE (MM/DD/YY) 01-00-01		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92036-3512 (760)724-5300	
DRAWN BY D SCHUR	CHECKED D SCHUR	DEFLECTORS	
DRAWING APPROVAL P. MAIO (01/01/01)		SEE CAGE CODE B 07MAZ6	DWG. NO. 647.3900
CONTRACTING NO.		SCALE NONE	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 5 OF 12	

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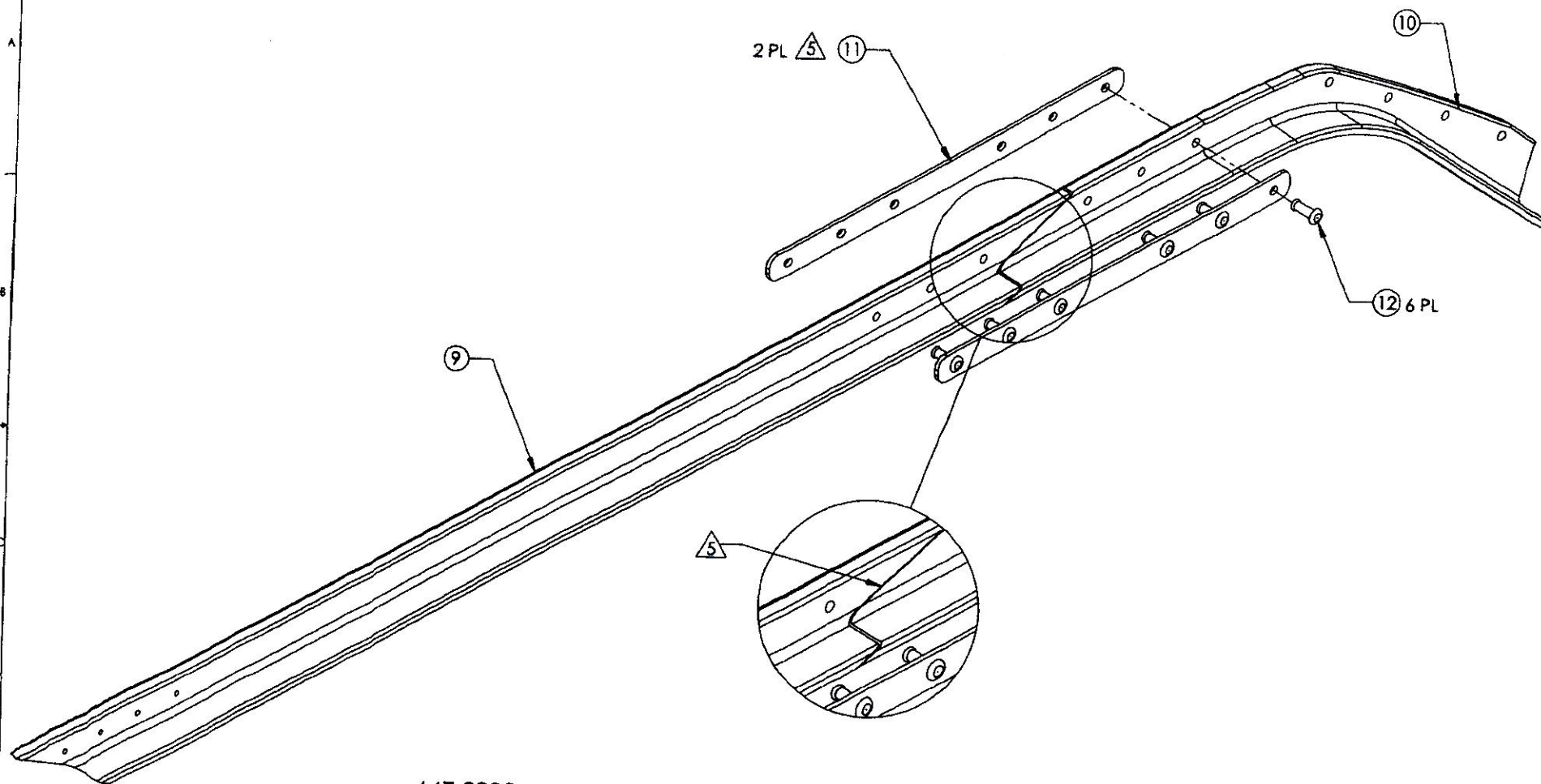


SECTION AB-AB



ORIGINAL DATE UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BEAVER 06-1002 CONTRACT No.		DEFLECTORS	
SHEET B	CAGE CODE 07M26	DWG. NO. 647.3900	REV C
SCALE NONE		SHEET 6 OF 12	

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647.3903

ORIGINAL DATE 08-10-79		APICAL INDUSTRIES	
DESIGNED BY D. J. KIM		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. MALVO		DEFLECTORS	
CONTRACT NO.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		SET CODE CODE B 07/12/6	DWG. NO. 647.3900
TOLERANCES ARE: 3 PLACE DECIMALS 1.01 3 PLACE DECIMALS 1.00 ANGLES 1/4°		SCALE NONE	SHEET 7 OF 12

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Dimensions and Tolerances:

- Overall Length: $42.760^{+.010}_{-.000}$
- Overall Width: $6.480^{+.010}_{-.000}$
- Internal Width: 1.732
- Internal Length: 9.000
- Internal Width (Right): 33.205, 37.040, 42.040, 42.171, 42.784
- Internal Length (Right): 0, .171, .271, .646, 1.000, 2.699, 4.389, 5.054, 6.480

DEFLECTORS

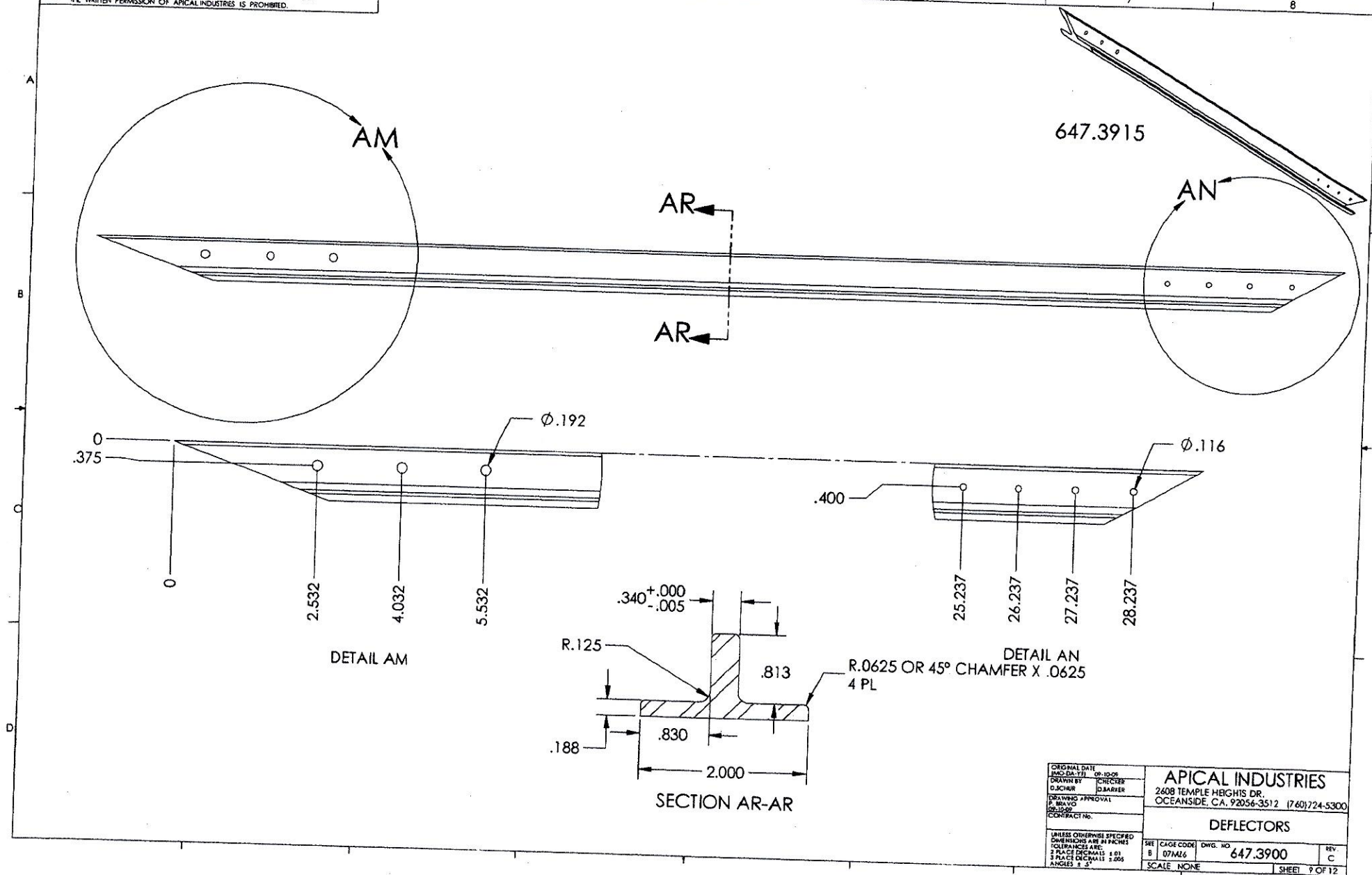
APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

ORIGINAL DATE: 08-10-08
DRAWN BY: J. BARBER
CHECKED BY: J. BARBER
DRAWING APPROVAL: J. BARBER
SCALE: NONE

DATE: 07/26/16
DWG NO.: 647.3900
REV. C

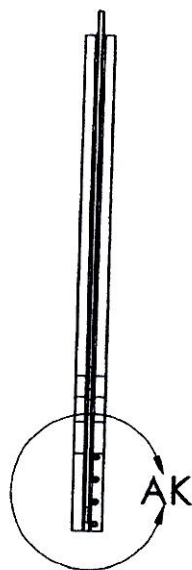
QCMQMS DATE (M/D-YR) 06-10-08 DRAWN BY DLSCHP JOHNSON DRAWING APPROVED (SIGNED) CONTRACT NO.		APICAL INDUSTRIES 2408 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92036-3512 17601724-S300									
WAREHOUSE SPECIFIED DIMENSIONS ARE IN INCHES OVERALLS ARE 7" PLACE DIMENSIONS ± 0.01 1" PLACE DIMENSIONS ± 0.01 ANGLES ± 3°		DEFLECTORS <table border="1"> <tr> <th>REF</th> <th>CAGE CODE</th> <th>QTY REQ.</th> <th>REV.</th> </tr> <tr> <td>B</td> <td>07M16</td> <td>647.3900</td> <td>C</td> </tr> </table>		REF	CAGE CODE	QTY REQ.	REV.	B	07M16	647.3900	C
REF	CAGE CODE	QTY REQ.	REV.								
B	07M16	647.3900	C								
		SCALE NONE SHEET 8 OF 13									

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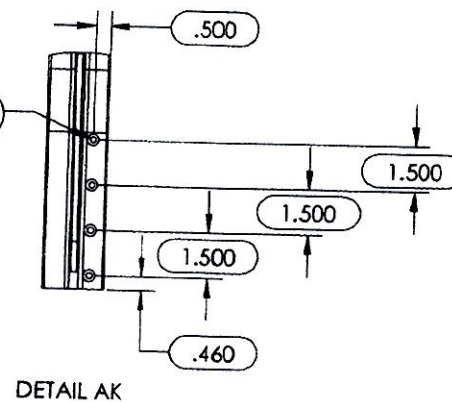


ORIGINAL DATE 10-02-84 177 09-10-08		APICAL INDUSTRIES	
DRAWN BY D. SCHIR		2608 TEMPLE HEIGHTS DR.	
CHECKED BY D. BARBER		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO. 09-10-08			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SHEET CODE B 07M16	REV. C
DWG. NO. 647.3900		SHEET 9 OF 12	
SCALE: NONE			

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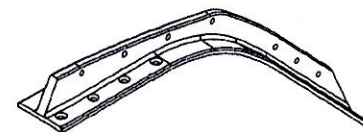
4X $\varnothing .196 \pm .010$ THRU ALL
✓ $\varnothing .385 \pm .020 \times 100^\circ \pm 1.000^\circ$



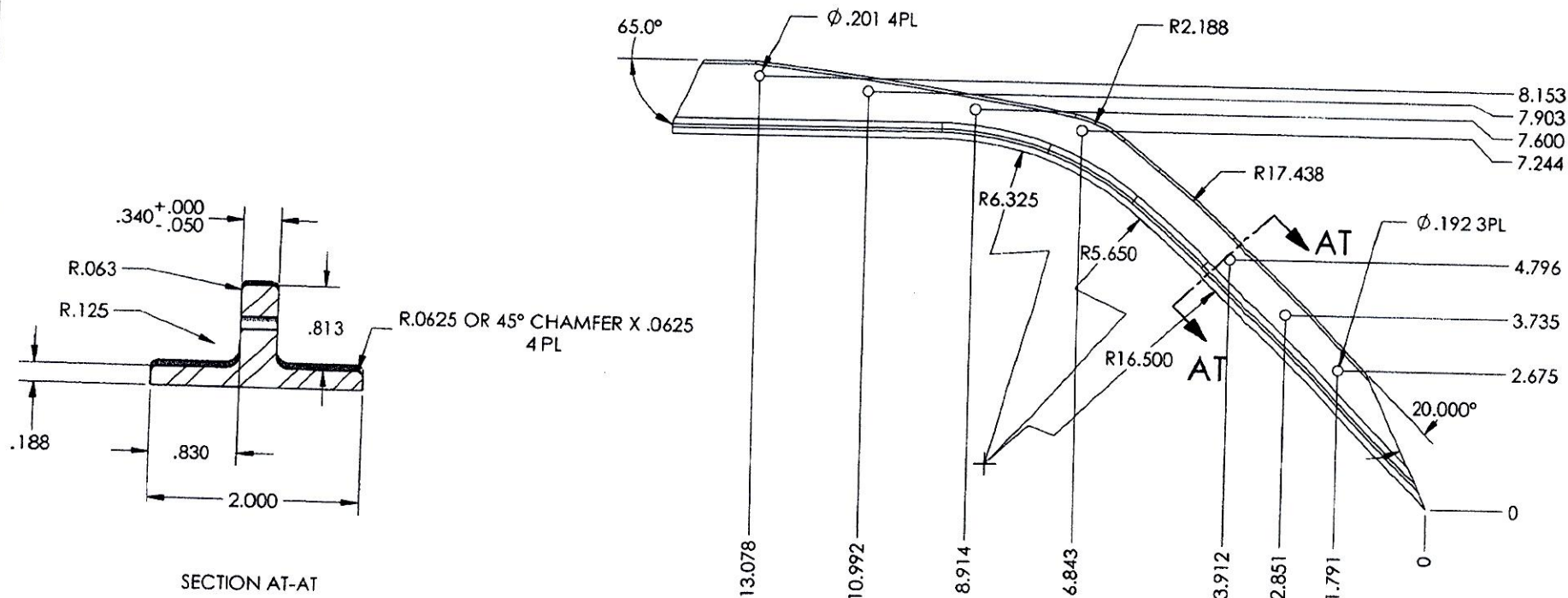
647.3915

ORIGINAL DATE JUL 24 1978 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAVO		DEFLECTORS	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .01 2 PLACE DECIMALS ± .005 ANGLES ± .5°		REV B	REV C
PAGE CODE B		DWG NO. 647.3900	SHEET 10 OF 12

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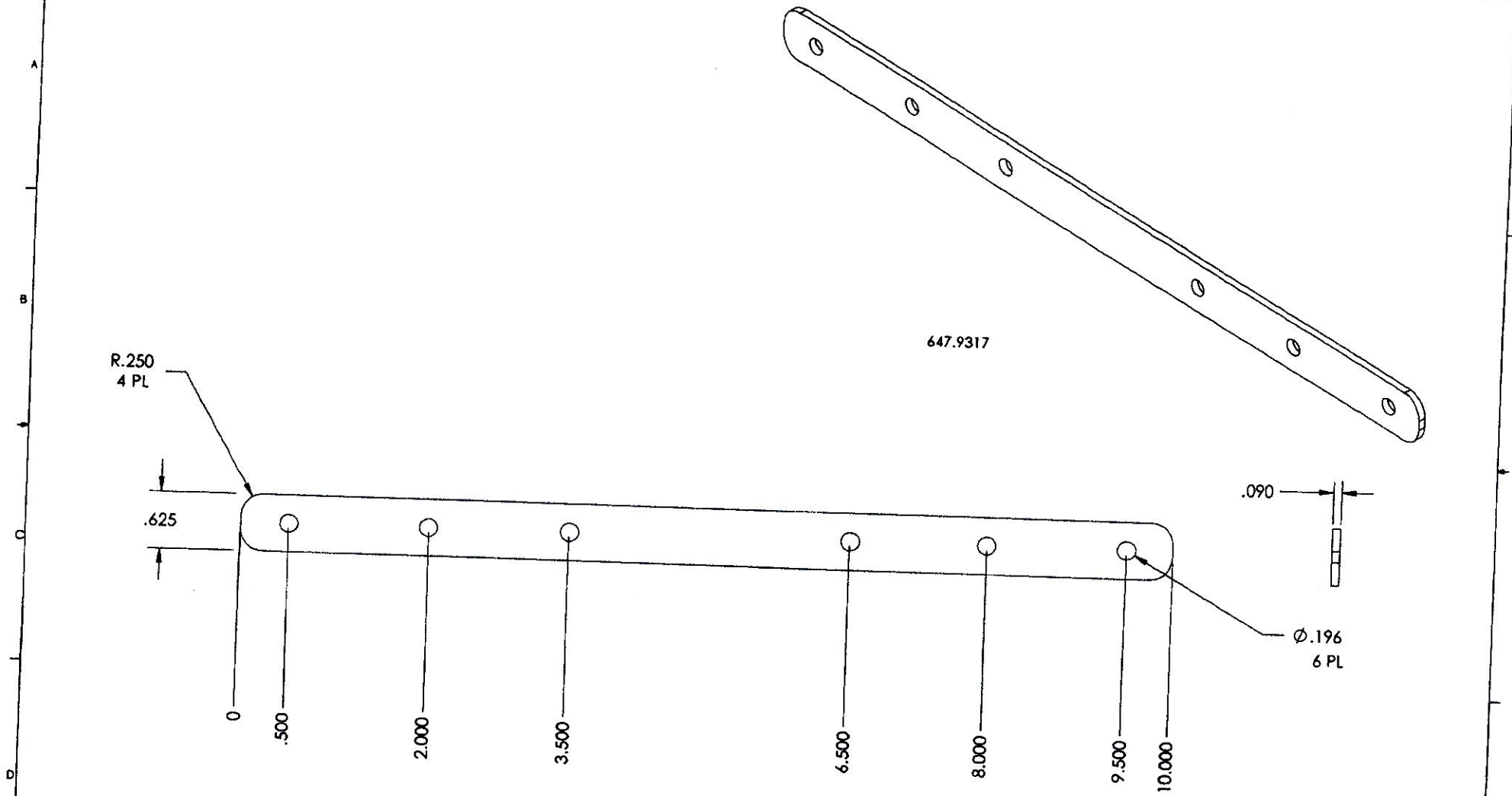
647.3916



SECTION AT-AT

ORIGINAL DATE JUN 22, 1978		DWG. NO. 647.3900	
DRAWN BY D. SCHUR		CHECKED D. BARNES	
DESIGNED BY P. BRAVO		APPROVED BY P. BRAVO	
CONTRACT NO.		SHEET 11 OF 12	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DEFLECTORS			
SERIAL	CAGE CODE	DWG. NO.	REV.
B	07M16	647.3900	C
SCALE NONE		SHEET 11 OF 12	

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APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DEFLECTORS	
ORIGINAL DATE DESIGNED BY DRAWN BY CHECKED BY DRAWING APPROVAL IN CHARGE CONTRACT NO.	REV. C DWG. NO. 647.3900 SCALE NONE SHEET 12 OF 12